Quest International, Inc.®

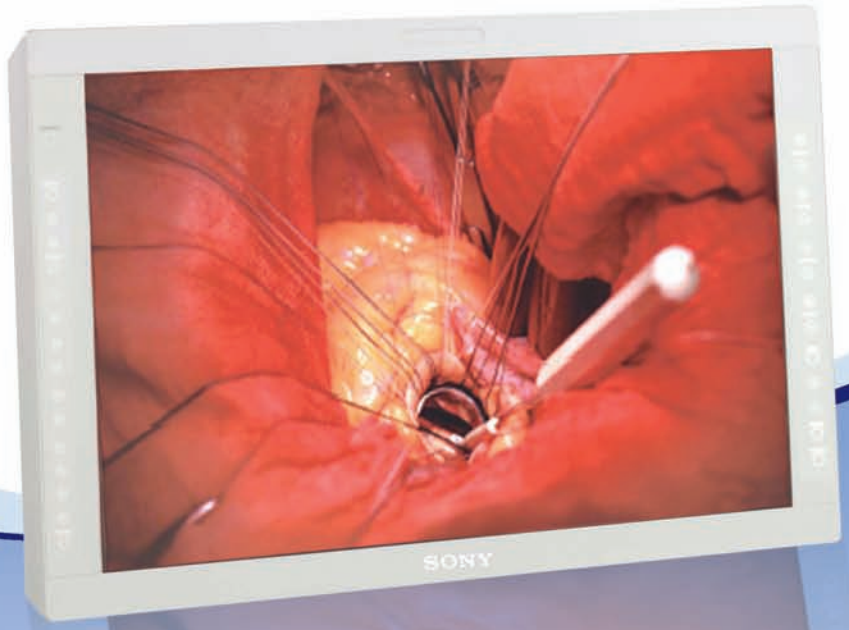
SONY

LMD-2450MD

LCD Monitor

Features:

- WUXGA 1920x1200 Full HD Resolution and 10-Bit Signal Processing
- Sony ChromaTRU™ Color Balance
- 16:10 Widescreen Aspect Ratio
- Multi-Picture Display
- Multi-Format Inputs
- Touch-Activated Picture Controls
- One Optional Input Slot
- VESA Mounting
- 20 User Memory
- Serial RS232C or Ethernet Remote Control Capability



With Sony Avanced Image Processing Technology, the LMD-2450MD Reproduces Accurate High-Definition Images for Critical Endoscopic Applications.

Sony introduces an exceptional High-Definition 24-inch medical monitor – the LMD-2450MD. This monitor incorporates a superb-quality WUXGA(1920 x 1200) panel, delivering extremely high levels of brightness and high-contrast images to the surgical theater. In addition, the LMD-2450MD accepts almost any SD and HD video signal in both analog and digital, allowing doctors to view images from multiple sources. For accurate image reproduction, the LMD-2450MD incorporates advanced Sony ChromaTRUcolor processing technology, providing consistent color images across multiple monitors.What's more, the LMD-2450MD complies with the 100-mm VESA mounting standard so it can be attached to a surgical mount arm, making it ideal for use in operating theaters. With other convenient features such as Flexible Display Modes, Selectable Gamma Curves, and a Key-inhibit function, the LMD-2450MD is an ideal choice for surgical endoscopy applications.

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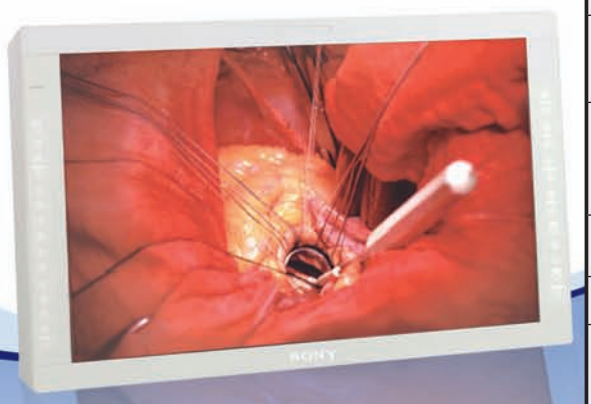
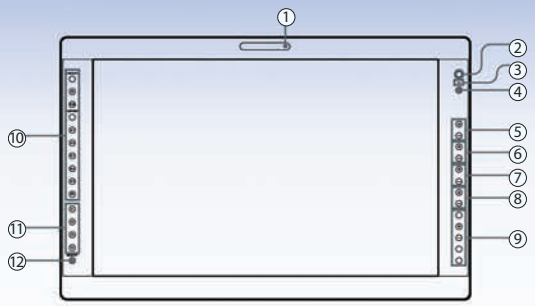
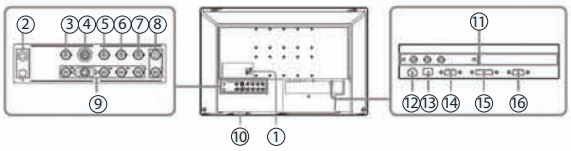


FRONT PANEL



① Tally lamp
② Power indicator
③ (key inhibit) indicator
④ Control button
⑤ Contrast buttons
⑥ Phase buttons
⑦ Chroma buttons
⑧ Bright (brightness) buttons
⑨ Menu operation buttons
⑩ Input select buttons
⑪ Function buttons
⑫ Memory button

CONNECTOR PANEL



① DC 5V/24 IN connector
② (Equipotential/Ground terminal)
③ Composite IN connector (BNC)
④ Y/C IN connector (4-pin mini-DIN)
⑤ G/Y IN connector (BNC)
⑥ B/P_B IN connector (BNC)
⑦ R/P_R IN connector (BNC)
⑧ Ext sync IN/OUT (external sync) connectors (BNC)
⑨ Loop-through output connectors
⑩ Power switch
⑪ Optional input slot
⑫ Parallel remote connector (modular connector, 8-pin)
⑬ Serial remote connector (RJ-45)
⑭ Serial romote RS-232 C connector (D-sub 9-pin, female)
⑮ DVI-D input connector (DVI-D)
⑯ HD15 input connector (D-sub 15-pin, female)

Picture Performance

Panel Type	a-Si TFT Active Matrix
Resolution	WUXGA (1920 X 1200)
Effective Picture Size (W x H)	Approx.518 x 324 mm (20 1/2 x 12 7/8 inches) Diagonal 609 mm (24 inches)
Aspect	16:10
Colors	Approx. 16,770,000 colors (8-bit)

Inputs/Outputs

Input	
Composite:	BNC (x 1),1.0 Vp-p ±3dB, sync negative
Y/C:	4pin Mini DIN (x 1) Y:1.0 Vp-p ±3dB, sync negative C:0.286 Vp-p ±3dB (NTSC), 0.3 Vp-p ±3dB (PAL)
Component/RGB:	BNC (x 3) Component:0.7 Vp-p ±3dB (75% chrominance standard color bar signal) RGB:0.7 Vp-p ±3dB (Sync On Green, 0.3 Vp-p, sync negative)
Ext. Sync:	BNC (x 1), 0.3 to 4.0 Vp-p ±bipolarity ternary or negative polarity binary
Computer:	DVI-D (x 1):TMDS single link
HD15:	D-sub 15pin (x 1) 0.7 Vp-p, sync positive (Sync On Green, 0.3 Vp-p, sync negative) Sync:TTL level (polarity free, H/V separate sync) Plug & Play function:corresponds to DDC-2B
Optional:	1 slot Signal format:H 15 to 45 kHz,V 48 to 60 Hz
DC IN:	DC 5 V/24 V (output impedance 0.05 Ω or less)
Remote	
Parallel:	Modular 8-pin (x 1)
Serial:	D-sub 9-pin (RS-232C) (x 1) RJ-45 modular (ETHERNET) (x 1)
Output	
Composite:	BNC (x 1), Loop-through, 75 Ω automatic termination
Y/C:	4-pin mini-DIN (x 1), Loop-through, 75 Ω automatic termination
Component:	BNC (x 3), Loop-through, 75 Ω automatic termination

General

Power Consumption	Maximum:Approx. 115 W (with 2 x BKM-229X)
Power Requirements	AC 100 to 240 V, 50/60 Hz, 1.2~0.6 A, DC 24 V 3.5 A, 5 V 0.030 A
Operating Temperature	0 to 35 °C (32 to 95 °F), Recommended:20 to 30 °C (68 to 86 °F)
Operating Humidity	30 to 85 % (no condensation)
Storage & Transport Temperature	-20 to 60 °C (-4 to 140 °F)
Storage & Transport Humidity	0 to 90 % (no condensation)
Operating, Storage & Transport Pressure	700 to 1060 hPa
Dimensions (W x H x D)	Approx. 602 x 386 x 110 mm (23 3/4 x 15 1/4 x 4 3/8 inches) (including projections)
Mass	Approx. 10 kg (22 lb) (without optional board)
Supplied Accessories	AC adaptor, AC power cord, AC plug holder, Instructions for Use, CD-ROM (Operating instructions), Using the CD-ROM manual, Quick Reference,When You First Use The Monitor booklet, Sales Company Guide,Warranty card

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